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MUKDEN · DAIREN RAIL STUDY

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IB - 31/64
16 January 1964
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MEMORANDUM FOR: Chief, Manufacturing and Service Division, ORR

ATTENTION :

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THROUGH :

Chief, Requirements Branch, Reconnaissance Group, CGS

FROM :

Chief, CIA/PID (NPIC)

SUBJECT :

Mukden-Dairen Rail Line

REFERENCES :

- (1) ORR Requirement No. C-RR3-80,906
(2) CIA/PID Project No. C 1836-63

1. In response to the above referenced requirement, a study of the Mukden to Dairen Rail Link was performed. In this study, a count of all trains observed was recorded, along with the speed, direction, type, and number of cars of each train. Since the line is double track for the entire distance, no information on yards or sidings was recorded.

2. It will be noted that not all trains in the study were in motion. The direction of travel of those at rest was a surmise, based on which end of the train the locomotive was attached.

3. The mission used in this study, [REDACTED] was flown with scattered cloud conditions present. From time to time some of these clouds obscured the rail line to the point where trains, if present, would not be visible. Also, the flight path of [REDACTED] did not include a section of track located between 39° 58'N and 40° 38'N. However, even with this lack of coverage and under scattered cloud conditions, well over half of the line was studied.

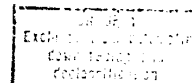
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4. The results of the study are presented in the following table. The location of each train is shown on the accompanying maps along with an arrow indicating the direction of travel.

<u>TRAIN NO.</u>	<u>TYPE</u>	<u>NO. OF CARS</u>	<u>DIRECTION</u>	<u>SPEED (KPH)</u>
1	Freight	43	Northbound	35
2	Freight - being made up -			
3	Freight	51	Northbound	48
4	Freight	48	Southbound	35
5	Freight	42	Northbound	32
6	Freight	12	Southbound	0
7	Freight - clouds prevented further interpt.			

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SUBJECT: Mukden-Dairen Rail Line

<u>TRAIN NO.</u>	<u>TYPE</u>	<u>NO. OF CARS</u>	<u>DIRECTION</u>	<u>SPEED (KPH)</u>
8	Freight	12	Southbound	0
9	Freight & Pass.	37	Southbound	11
10	Passenger	7	Northbound	36
11	Freight	16	Southbound	0
12	Haze prevented ID	9-11	Northbound	0
13	Freight	45	Northbound	40
14	Freight	42	Southbound	0
15	Freight & Pass.	8	Southbound	40
16	Freight	13	Northbound	36
17	Freight	34	Northbound	22
18	Freight	14	Southbound	36
19	Passenger	13	Southbound	55

5. References:

Maps: ONC G-10 ATC 289-25
 ONC F-9 ATC 381-5
 ATC 290-11 ATC 381-9
 ATC 290-16 ATC 381-10
 ATC 289-20

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6. The analyst assigned to this requirement was [REDACTED] who may be contacted on extension 2607 should any questions arise. This project is considered complete with the issuance of this memorandum.

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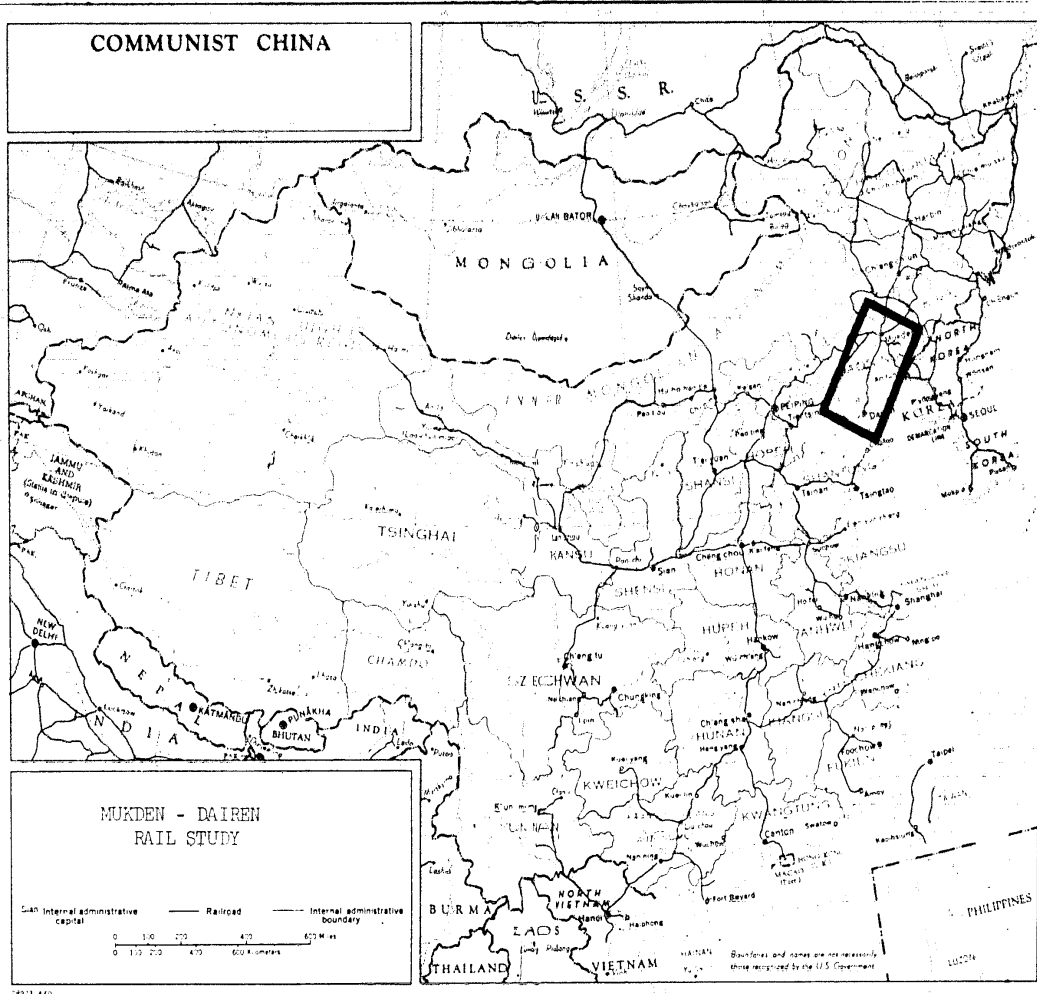
ENCLOSURES:

1 booklet of annotated maps
 "Mukden-Dairen Rail Study"
 (CIA/PID/IB-P-88/64 thru P-96/64)

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